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# INDEX

## Volume XXIV, June-December, 1931

### Listed Under Article and the Authors


Achievement of Gifted Children Enrolled and Not Enrolled in Special Opportunity Classes, The, Howard A. Gray and Leta S. Hollingworth, 255-261

Arithmetical Backgrounds of Young Children, The, Clifford Woody, 188-201

Backgrounds of Young Children, The Arith- The, Clifford Woody, 188-201

California High Schools in Relation to Size, Costs and Offerings of, S. P. Nanninga, 356-364

Children Enrolled and Not Enrolled in Special Opportunity Classes, The Achievement of Gifted, Howard A. Gray and Leta S. Hollingworth, 255-261

Children, The Arithmetical Backgrounds of Young, Clifford Woody, 188-201

Classification of Educational Research, A Symposium of the, A. S. Barr, John C. Almack, Fred C. Ayer, J. F. Dashiell, Arthur I. Gates, Carter V. Good, Palmer O. Johnson, Truman L. Kelley, William A. McCall, G. M. Ruch, Percival M. Symonds, Herbert A. Toops, M. R. Trabue, F. L. Whitney, and Clifford Woody, 1-22

Coefficients and Multiple and Partial Correlations, Simplified Methods for Computing Regression, Charles C. Peters and Elizabeth Crossley Wykes, 44-52

College Courses, The Retention of Information Learned in, Edward B. Greene, 262-273

Conduct, Needed Research in Diagnosing Personality and, Percival M. Symonds, 175-187

Correlations, Simplified Methods for Computing Regression Coefficients and Multiple and Partial, Charles C. Peters and Elizabeth Crossley Wykes, 44-52

Costs and Offerings of California High Schools in Relation to Size, S. P. Nanninga, 356-364

Diagnosing Personality and Conduct, Needed Research in, Percival M. Symonds, 175-187

Distributions, A Graphic Matching Test for Properties of Frequency, Kate Hevner, 365-371

Early School Superintendents in New Orleans, Stuart G. Noble, 274-279

Education, 1918-1931, Fields and Types of Research in, Carter V. Good, 33-43

Educational Research, A Symposium on the Classification of, A. S. Barr, John C. Almack, Fred C. Ayer, J. F. Dashiell, Arthur I. Gates, Carter V. Good, Palmer O. Johnson, Truman L. Kelley, William A. McCall, G. M. Ruch, Percival M. Symonds, Herbert A. Toops, M. R. Trabue, F. L. Whitney, and Clifford Woody, 1-22

Effectiveness of Weighting, Factors which Determine the, Douglas E. Scates and Forest R. Noffsinger, 280-285

Essay Examination Graded by Rating, The Objectivity, Reliability, and Validity of an, Verner Martin Sims, 216-223

Eurich, Alvin C., A Method for Measuring Retention in Reading, 202-208

Evening School Education in St. Louis, 1859 to 1928, Trends in, Mildred Fletcher and R. C. Fletcher, 293-298

Examination Question, A Statistical Study of a New Type of Objective, Grace Holmes and Edna Heidbreder, 286-292

Factors which Determine the Effectiveness of Weighting, Douglas E. Scates and Forest R. Noffsinger, 280-285

Fields and Types of Research in Education, 1918-1931, Carter V. Good, 33-43

Fletcher, Mildred, and Fletcher, R. C., Trends in Evening School Education in St. Louis, 1859 to 1928, 293-298

Freshmen in Spelling, Improving College, Walter S. Guiler, 209-215

Good, Carter V., Fields and Types of Research in Education, 1918-1931, 33-43

Grades, A Suggested Basic-Vocabulary in American History for the Middle, Mary G. Kelty, 335-349

Graphic Matching Test for Properties of Frequency Distributions, A, Kate Hevner, 365-371

Gray, Howard A., and Hollingworth, Leta S., The Achievement of Gifted Children Enrolled and Not Enrolled in Special Opportunity Classes, 255-261

Greene, Edward B., The Retention of Information Learned in College Courses, 262-273

Guiler, Walter S., Improving College Freshmen in Spelling, 209-215

Hevner, Kate, A Graphic Matching Test for Properties of Frequency Distributions, 365-371

Heidbreder, Edna, and Holmes, Grace, A Statistical Study of a New Type of Objective Examination Question, 286-292

High-School Textbooks, Improving Our Method of Selecting, W. W. Patty and W. I. Painter, 23-32

History For the Middle Grades, A Suggested Basic-Vocabulary in American, Mary G. Kelty, 335-349

Hollingworth, Leta S., and Gray, Howard A., The Achievement of Gifted Children Enrolled and Not Enrolled in Special Opportunity Classes, 255-261

Holmes, Grace, and Heidbreder, Edna, A Statistical Study of a New Type of Objective Examination Question, 286-292

Improving College Freshman in Spelling, Walter S. Guiler, 209-215

Improving Our Method of Selecting High-School Textbooks, W. W. Patty and W. I. Painter, 23-32

Information Learned in College Courses, The Retention of, Edward B. Greene, 262-273
Instruction, Printing Versus Cursive Writing in Beginning Reading, Howard H. Long and Willa C. Mayer, 350-355

Keim, S. Lucia, The Present Status and Significance of Manuscript Writing, 115-126
Kelty, Mary G., A Suggested Basic-Vocabulary in American History for the Middle Grades, 335-349
Kilpatrick, William H., The Relation of Philosophy to Scientific Research, 97-114

Long, Howard H., and Mayer, Willa C., Printing Versus Cursive Writing in Beginning Reading Instruction, 350-355

Manuscript Writing, The Present Status and Significance of, S. Lucia Keim, 115-126
Mayer, Willa C., and Long, Howard H., Printing Versus Cursive Writing in Beginning Reading Instruction, 350-355
Methods for Computing Regression Coefficients and Multiple and Partial Correlations, Simplified, Charles C. Peters and Elizabeth Crossley Wykes, 44-52
Method for Measuring Retention in Reading, A, Alvin C. Eurich, 202-208
Method of Selecting High-School Textbooks, Improving Our, W. W. Patty and W. I. Painter, 23-32
Multiple and Partial Correlations, Simplified Methods for Computing Regression Coefficients and, Charles C. Peters and Elizabeth Crossley Wykes, 44-52

Nanninga, S. P., Costs and Offerings of California High Schools in Relation to Size, 356-364
New Orleans, Early School Superintendents in, Stuart G. Noble, 274-279
Noble, Stuart G., Early School Superintendents in New Orleans, 274-279
Noffsinger, Forest R., and Scates, Douglas E., Factors Which Determine the Effectiveness of Weighting, 280-285

Objectivity, Reliability, and Validity of an Essay Examination Graded by Rating, The, Verner Martin Sims, 216-223
Opportunity Classes, The Achievement of Gifted Children Enrolled and Not Enrolled in Special, Howard A. Gray and Leta S. Hollingworth, 255-261

Painter, W. I., and Patty, W. W., Improving Our Method of Selecting High-School Textbooks, 23-32
Patty, W. W., and Painter, W. I., A Technique for Measuring the Vocabulary Burden of Textbooks, 127-134
Personality and Conduct, Needed Research in Diagnosing, Percival M. Symonds, 175-187
Peters, Charles C., and Wykes, Elizabeth Crossley, Simplified Methods for Computing Regression Coefficients and Multiple and Partial Correlations, 44-52
Philosophy to Scientific Research, The Relation of, William H. Kilpatrick, 97-114
Printing Versus Cursive Writing in Beginning Reading Instruction, Howard H. Long and Willa C. Mayer, 350-355
Properties of Frequency Distributions, A Graphic Matching Test for, Kate Hevner, 365-371

Reading, A Method for Measuring Retention in, Alvin C. Eurich, 202-208
Regression Coefficients and Multiple and Partial Correlations, Simplified Methods for Computing, Charles C. Peters and Elizabeth Crossley Wykes, 44-52
Relation of Philosophy to Scientific Research, The, William H. Kilpatrick, 97-114
Relation to Size, Costs and Offerings of California High Schools in, S. P. Nanninga, 356-364
Reliability, and Validity of an Essay Examination Graded by Rating, The Objectivity, Verner Martin Sims, 216-223
Research, A Symposium on the Classification of Educational, A. S. Barr, John C. Almack, Fred C. Ayer, J. F. Dashiell, Arthur I. Gates, Carter V. Good, Palmer O. Johnson, Truman L. Kelley, William A. McCall, G. M. Ruch, Percival M. Symonds, Herbert A. Toops, M. R. Trabue, F. L. Whitney, and Clifford Woody, 1-22
Research in Diagnosing Personality and Conduct, Needed, Percival M. Symonds, 175-187
Research in Education, 1918-1931, Fields and Types of, Carter V. Good, 33-43
Retention in Reading, A Method for Measuring, Alvin C. Eurich, 202-208
Retention of Information Learned in College Courses, The, Edward B. Greene, 262-273

Scates, Douglas E., and Noffsinger, Forest R., Factors Which Determine the Effectiveness of Weighting, 280-285
Scientific Research, The Relation of Philosophy to, William H. Kilpatrick, 97-114
Simplified Methods for Computing Regression Coefficients and Multiple and Partial Correlations, Charles C. Peters and Elizabeth Crossley Wykes, 44-52
Sims, Verner Martin, The Objectivity, Reliability, and Validity of an Essay Examination Graded by Rating, 216-223
Spelling, Improving College Freshman in, Walter S. Guiler, 209-215
Statistical Study of a New Type of Objective Examination Question, A, Grace Holmes and Edna Heidbreder, 286-292
Status and Significance of Manuscript Writing, The Present, S. Lucia Keim, 115-126
Suggested Basic-Vocabulary in American History for the Middle Grades, A, Mary G. Kelty, 335-349
Superintendents in New Orleans, Early School, Stuart G. Noble, 274-279
Symonds, Percival M., Needed Research in Diagnosing Personality and Conduct, 175-187
Symposium on the Classification of Educational Research, A, A. S. Barr, John C. Almack, Fred C. Ayer, J. F. Dashiell, Arthur I. Gates, Carter V. Good, Palmer O. Johnson, Truman L. Kelley, William A. McCall, G. M. Ruch, Percival M. Symonds, Herbert A. Toops, M. R. Trabue, F. L. Whitney, and Clifford Woody, 1-22

Technique for Measuring the Vocabulary Burden of Textbooks, A, W. W. Patty and W. I. Painter, 127-134
Test for Properties of Frequency Distributions, A Graphic Matching, Kate Hevner, 365-371
Textbooks, A Technique for Measuring the Vocabulary Burden of, W. W. Patty and W. I. Painter, 127-134

Textbooks, Improving Our Method of Selecting High-School, W. W. Patty and W. I. Painter, 23-32
Trends in Evening School Education in St. Louis, 1859 to 1928, Mildred Fletcher and R. C. Fletcher, 293-298
Type of Objective Examination Question, A Statistical Study of a New, Grace Holmes and Edna Heidbreder, 286-292
Types of Research in Education, 1918-1931, Fields and, Carter V. Good, 33-43

Validity of an Essay Examination Graded by Rating, The Objectivity, Reliability, and, Verner Martin Sims, 216-223
Vocabulary Burden of Textbooks, A Technique for Measuring the, W. W. Patty and W. I. Painter, 127-134

Weighting, Factors Which Determine the Effectiveness of, Douglas E. Scates and Forest R. Noffsinger, 280-285
Woody, Clifford, The Arithmetical Backgrounds of Young Children, 188-201
Writing in Beginning Reading Instruction, Printing Versus Cursive, Howard H. Long and Willa C. Mayer, 350-355
Writing, The Present Status and Significance of Manuscript, S. Lucia Keim, 115-126
Wykes, Elizabeth Crossley, and Peters, Charles C., Simplified Methods for Computing Regression Coefficients and Multiple and Partial Correlations, 44-52

## Shorter Articles

Atkinson, Carroll, The Effect of Sex Differences in the Study of General Science, 61-66

Cederstrom, J. A., The Influence of a Secondary Course in Zoology Upon Gains in College Zoology, 57-61
Citizenship, A Study of High-School Pupils to Determine the Effect of Student Council Participation on the Information of Certain Habits of, Burt A. Mayberry, 305-307
College Zoology, The Influence of a Secondary Course in Zoology Upon Gains in, J. A. Cederstrom, 57-61
Comparison of Three Methods of Computing Composite Scores, A, Edward F. Potthoff, 224-227
Constancy of Spelling Ability among Undergraduates, The, George W. Hartmann, 303-305
Contents, The Psychology of the Table of, J. Howard Stoutemyer, 227-230
Conversation of First Grade Pupils During Free Play Periods, A Study of the, Ethel Mabie, 135-138
Course in Zoology Upon Gains in College Zoology, The Influence of a Secondary, J. A. Cederstrom, 57-61

Effect of Sex Differences in the Study of General Science, The, Carroll Atkinson, 61-66

Functions of Bureaus of Research, The, R. L. Herbst, 372-376

Harap, Henry, and Kraus, Henry M., The Musical Vocabulary of Newspapers and Magazines, 299-303
Hartmann, George W., The Constancy of Spelling Ability Among Undergraduates, 303-305
Herbst, R. L., The Functions of Bureaus of Research, 372-376
High-School? Shall the I. Q. Be Used for Sectioning in the, Percival M. Symonds, 138-140

Influence of a Secondary Course in Zoology Upon Gains in College Zoology, The, J. A. Cederstrom, 57-61
Interpretation of Reactions to the Pintner-Patterson Performance Scale, Emily M. Wires, 53-57

Kraus, Henry M., and Harap, Henry, The Musical Vocabulary of Newspapers and Magazines, 299-303

Mabie, Ethel, A Study of the Conversation of First Grade Pupils During Free Play Periods, 135-138
Mayberry, Burt A., A Study of High-School Pupils to Determine the Effect of Student Council Participation on the Information of Certain Habits of Citizenship, 305-307
Methods of Computing Composite Scores, A Comparison of Three, Edward F. Potthoff, 224-227
Musical Vocabulary of Newspapers and Magazines, The, Henry M. Kraus and Henry Harap, 299-303

Newspapers and Magazines, The Musical Vocabulary of, Henry M. Kraus and Henry Harap, 299-303

Periods, A Study of the Conversation of First Grade Pupils During Free Play, Ethel Mabie, 135-138
Pintner-Patterson Performance Scale, Interpretation of Reactions to the, Emily M. Wires, 53-57
Potthoff, Edward F., A Comparison of Three Methods of Computing Composite Scores, 224-227
Practice Effect, Donald Snedden, 376-380
Psychology of the Table of Contents, The, J. Howard Stoutemyer, 227-230
Pupils During Free Play Periods, A Study of the Conversation of First Grade, Ethel Mabie, 135-138

Reactions to the Pintner-Patterson Performance Scale, Interpretation of, Emily M. Wires, 53-57
Research, The Functions of Bureaus of, R. L. Herbst, 372-376

Scale, Interpretation of Reactions to the Pintner-Patterson Performance, Emily M. Wires, 53-57
Science, The Effect of Sex Differences in the Study of General, Carroll Atkinson, 61-66
Scores, A Comparison of Three Methods of Computing Composite, Edward F. Potthoff, 224-227
Secondary Course in Zoology Upon Gains in College Zoology, The Influence of a, J. A. Cederstrom, 57-61

Sectioning in the High-School? Shall the I. Q. Be Used for, Percival M. Symonds, 138-140
Sex Differences in the Study of General Science, The Effect of, Carroll Atkinson, 61-66
Shall the I. Q. Be Used for Sectioning in the High-School? Percival M. Symonds, 138-140
Snedden, Donald, Practice Effect, 376-380
Spelling Ability Among Undergraduates, The Constancy of, George W. Hartmann, 303-305
Stoutemyer, J. Howard, The Psychology of the Table of Contents, 227-230
Student Council Participation on the Information of Certain Habits of Citizenship, A Study of High-School Pupils to Determine the Effect of, Burt A. Mayberry, 305-307
Study of General Science, The Effect of Sex Differences in the, Carroll Atkinson, 61-66
Study of High-School Pupils to Determine the Effect of Student Council Participation on the Information of Certain Habits of Citizenship, A, Burt A. Mayberry, 305-307
Study of the Conversation of First Grade Pupils During Free Play Periods, A, Ethel Mabie, 135-138
Symonds, Percival M., Shall the I. Q. Be Used for Sectioning in the High-School? 138-140

Undergraduates, The Constancy of Spelling Ability Among, George W. Hartmann, 303-305

Wires, Emily M., Interpretation of Reactions to the Pintner-Patterson Performance Scale, 53-57

Zoology Upon Gains in College Zoology, The Influence of a Secondary Course in, J. A. Cederstrom, 57-61

## Editorials

Barr, A. S., Causal Investigations in Supervision and Teaching, 381-383
Barr, A. S., Supervision as Purposeful Problem Solving, 308-309
Barr, A. S., The Scientific Method and Classroom Supervision, 141-143

Causal Investigations in Supervision and Teaching, A. S. Barr, 381-383

Good, Carter V., Research in Higher Education, 231-232

Research in Higher Education, Carter V. Good, 231-232

Science Goes Wrong in Education, When, V. T. Thayer, 67-70
Scientific Method and Classroom Supervision, The, A. S. Barr, 141-143
Supervision as Purposeful Problem Solving, A. S. Barr, 308-309

Thayer, V. T., When Science Goes Wrong in Education, 67-70

## Reviews

Academic Prognosis in the University, Harold A. Edgerton, (Carter V. Good), 233
Ackerson, Luton, Children's Behavior Problems, (G. M. Ruch), 387-388
Adolescent Education, Frederick E. Bolton, (Dennis C. Troth), 73-74

Batson, Lionel, A Select Bibliography of Modern Economic Theory, (E. S. Todd), 316
Betzner, Jean, Content and Form of Original Compositions Dictated by Children from Five to Eight Years of Age, (J. Helen Campbell), 235
Bluemel, C. S., Mental Aspects of Stammering, (Harriet Herendeen), 144
Bolton, Frederick E., Adolescent Education, (Dennis C. Troth), 73-74

Children's Behavior Problems, Luton Ackerson, (G. M. Ruch), 387-388
Claparede, Dr. Ed., L'Education Fonctionnellee (Functional Education), (A. S. Barr), 388-390
Class Organization and Activities, The, Margaret Anne McDonald, (Paul W. Terry), 72-73
Classroom Scaler and Grader, Charles Russell, (R. L. Morton), 385
Content and Form of Original Compositions Dictated by Children from Five to Eight Years of Age, Jean Betzner, (J. Helen Campbell), 235
Country Teacher at Work, The, Frank J. Lowth, (E. L. Ritter), 237-238

Crandall, Andrew Wallace, The Early History of the Republican Party, (Howard White), 147-148
Crawford, Claude C., and Tiegs, Ernest W., Statistics for Teachers, (Hollis M. Long), 144-146
Culture and Education in America, Harold Rugg, (H. C. Minnich), 385-387

Draper, Edgar Marion, Intramural Athletic and Play Days, (Paul W. Terry), 72-73

Early History of the Republican Party, The, Andrew Wallace Crandall, (Howard White), 147-148
Edgerton, Harold A., Academic Prognosis in the University, (Carter V. Good), 233
Education and the Summer Camp, Lloyd Burgess Sharp, (Harry A. Spyker), 74
Educational Achievement in Relation to Intelligence, Charles St. John, (I. N. Madsen), 148
Educational Problems for Psychological Study, Goodwin Watson and R. B. Spence, (Bert A. Nash), 311-313
Eells, Walter Crosby, The Junior College, (John T. Wahlquist), 384-385
Extra-Curricular Activities of High School Girls, Olivia Pound, (Paul W. Terry), 72-73

Federal and State Policies in Public School Finance in the United States, Fletcher Harper Swift, (Carter Alexander), 310

Higher Education in America, Raymond A. Kent, (Arthur J. Klein), 311
Hill, Adelene B., and Van Alstyne, Dorothy, Learning Levels of the Children in the Nursery School: The Eating Situation, (Constance T. MacLeod), 75
Human Learning, Edward L. Thorndike, (W. F. Book), 234-235

Influence of Regularly Interpolated Time Intervals Upon Subsequent Learning, Irving Lorge, (Winona M. Perry), 71-72
Intramural Athletic and Play Days, Edgar Marion Draper, (Paul W. Terry), 72-73

Jameson, Emily D., Physical Education for the Preparation of General Elementary School Teachers, (D. Oberteuffer), 236-237
Junior College, The, Walter Crosby Eells, (John T. Wahlquist), 384-385

Kent, Raymond A., Higher Education in America, (Arthur J. Klein), 311
Kilcullen, Mae T., Materials and Methods of Geography Teaching, (R. W. Fairchild), 384

Laboratory Instruction in the Field of Inorganic Chemistry, Victor H. Noll, (Samuel Ralph Powers), 146
Language Development in Primary Grades Through School Activities, Ethel Mabie, (Mary Wilcockson), 74
Learning Levels of the Children in the Nursery School: The Eating Situation, Adelene B. Hill and Dorothy Van Alstyne, (Constance T. MacLeod), 75
L'Education Fonctionnellee (Functional Education), Dr. Ed. Claparede, (A. S. Barr), 388-390
Lorge, Irving, Influence of Regularly Interpolated Time Intervals Upon Subsequent Learning, (Winona M. Perry), 71-72
Lowth, Frank J., The Country Teacher at Work, (E. L. Ritter), 237-238

McDonald, Margaret Anne, The Class Organization and Activities, (Paul W. Terry), 72-73

Mabie, Ethel, Language Development in Primary Grades Through School Activities, (Mary Wilcockson), 74
Materials and Methods of Geography Teaching, Mae T. Kilcullen, (R. W. Fairchild), 384
Meier, Lois, Natural Science Education in the German Elementary Schools, (E. R. Downing), 235-236
Mental Aspects of Stammering, C. S. Bluemel, (Harriet Herendeen), 144
Meyer, Harold D., The School Club Program (Paul W. Terry), 72-73

Natural Science Education in the German Elementary Schools, Lois Meier, (E. R. Downing), 235-236
Noll, Victor H., Laboratory Instruction in the Field of Inorganic Chemistry, (Samuel Ralph Powers), 146

Physical Education for the Preparation of General Elementary School Teachers, Emily D. Jameson, (D. Oberteuffer), 236-237
Pound, Olivia. Extra-Curricular Activities of High School Girls, (Paul W. Terry), 72-73

Reading Activities in the Primary Grades, Grace E. Storm and Nila B. Smith, (Henry W. Cobb), 313-315
Rugg, Harold, Culture and Education in America, (H. C. Minnich), 385-387
Russell, Charles, Classroom Scaler and Grader, (R. L. Morton), 385

School Club Program, The, Harold D. Meyer, (Paul W. Terry), 72-73
Select Bibliography of Modern Economic Theory, A, Lionel Batson, (E. S. Todd), 316
Sharp, Lloyd Burgess, Education and the Summer Camp, (Harry A. Spyker), 74
Smith, Nila B., and Storm, Grace E., Reading Activities in the Primary Grades, Henry W. Cobb), 313-315
Spence, R. B., and Watson, Goodwin, Educational Problems for Psychological Study, (Bert A. Nash), 311-313
Statistics for Teachers, Ernest W. Tiegs and Claude C. Crawford, (Hollis M. Long), 144-146
St. John, Charles, Educational Achievement in Relation to Intelligence, (I. N. Madsen), 148
Stone, Clarence R., Supervision of the Elementary School, (Maude McBroom), 315-316
Storm, Grace E., and Smith, Nila B., Reading Activities in the Primary Grades, (Henry W. Cobb), 313-315
Student Participation in School Government, Jerry V. Vineyard, (Paul W. Terry), 72-73
Supervision of the Elementary School, Clarence R. Stone, (Maude McBroom), 315-316
Swift, Fletcher Harper, Federal and State Policies in Public School Finance in the United States, (Carter Alexander), 310

Thorndike, Edward L., Human Learning, (W. F. Book), 234-235
Tiegs, Ernest W., and Crawford, Claude C., Statistics for Teachers, (Hollis M. Long), 144-146

Van Alstyne, Dorothy, and Hill, Adelene B., Learning Levels of the Children in the Nursery School: The Eating Situation, (Constance T. MacLeod), 75
Vineyard, Jerry V., Student Participation in School Government, (Paul W. Terry), 72-73

Watson, Goodwin, and Spence, R. B., Educational Problems for Psychological Study, (Bert A. Nash), 311-313

## Research Abstracts and Bibliographies

"Abstracts of Unpublished Masters' Theses in the Field of Secondary School Administration," Frank C. Touton, Bulletin of the Department of Secondary-School Principals of the National Education Association, 77

Accounting for Depreciation of School Buildings, George Stephen Murray, 318
"Annotated Bibliography of Graduate Theses in Education at the University of Illinois," Russell T. Gregg and Thomas T. Hamilton,

Jr., Bureau of Educational Research Bulletin, No. 55, 76
Annotated Bibliography on the Methodology of Scientific Research as Applied to Education, An, A. S. Barr and Mabel Rudisill, Bureau of Educational Research, University of Wisconsin, 149
Assembly in the Teachers College," "The, Effie G. Kuhn and Others, Trenton Studies in Education, No. 1, 77

Baer, Joseph A., Van Cott, Harrison H., Wiley, George M., and Coxe, Warren W., "Courses of Study and Curriculum Offerings in Junior High Schools in New York State," State Education Department, University of the State of New York, 239
Barr, A. S., and Rudisill, Mabel, An Annotated Bibliography on the Methodology of Scientific Research as Applied to Education, Bureau of Educational Research, University of Wisconsin, 149
Benz, H. E., "The Learning and Teaching of Algebra," 76
"Biennial Survey of Education in the United States, 1928-1930," Elsie H. Martens, United States Department of the Interior Bulletin, No. 20, 240
Bulletin of the American Child Health Association, 76

Christofferson, H. C., Clifton, J. L., and Wood, E. R., "The Learning and Teaching of Geometry," 239
Clifton, J. L., Wood, E. R., and Christofferson, H. C., "The Learning and Teaching of Geometry," 239
Cole, Robert D., "Educational Achievement in North Dakota City, Town, and Rural Schools," Departmental Bulletin of the University of North Dakota, 76
Comparative Study of a Nursery-School Versus a Non-Nursery School Group, A, Ethel Kaywin, Carolyn Hoefer, and Others, University of Chicago Press, 391
"Constitutional Basis of Public School Education," Edwin S. Lide, United States Department of the Interior Leaflet No. 40, 318
Cooper, William J., Record of Current Educational Publications, Bulletin No. 9, Washington: United States Government Printing Office, 149
Cornell, Ethel L., "The Effect of Trait Differences in Ability Grouping," University of the State of New York Bulletin, No. 981, 239
"Courses of Study and Curriculum Offerings in Junior High Schools in New York State," Warren W. Coxe, Joseph A. Baer, Harrison H. Van Cott, and George M. Wiley, State Education Department, University of the State of New York, 239
Coxe, Warren W., and Cowen, Philip A., "Educational Needs of Pupils in Small High Schools," University of the State of New York Bulletin, 76
Coxe, Warren W., Baer, Joseph A., Van Cott, Harrison H., and Wiley, George M., "Courses of Study and Curriculum Offerings in Junior High Schools in New York State," State Education Department, University of the State of New York, 239
"Current Practices in the Construction of State Courses of Study," Mina M. Langvick, United States Department of the Interior Bulletin, No. 4, 240

Distribution of Time of Teachers of Vocational Agriculture in Kentucky: Its Relation to Distribution of Aid and to Teachers Training," "The, Carsie Hammonds, Bulletin of the Bureau of School Service, 317

"Educational Achievement in North Dakota City, Town, and Rural Schools," Departmental Bulletin of the University of North Dakota, Robert D. Cole, 76
"Educational Needs of Pupils in Small High Schools," Warren W. Coxe, University of the State of New York Bulletin, 76
Effect of Trait Differences in Ability Grouping," "The, Ethel L. Cornell, University of the State of New York Bulletin, No. 981, 239
Every Pupil Test, Ohio State Department of Education, 76
Experience and Opinions of 350 Married Women Graduates of the University of Kansas: with Reference to the University Curriculum and Problems of the American Home," "The, Florence Brown Sherbon and Emily Ferris, Kansas Studies in Education, 318

Ferris, Emily, Sherbon, Florence Brown, "The Experience and Opinions of 350 Married Women Graduates of the University of Kansas: with Reference to the University Curriculum and Problems of the American Home," Kansas Studies in Education, 318
Foltz, P. J., and Osburn, W. J., "Permanence of Improvement in the Fundamentals of Arithmetic," Educational Research Bulletin, 77
Foster, I. Owen, Chairman, and Others, "A Study in Teacher Supply and Demand in Indiana," Bulletin of the School of Education, Indiana University, VII, 239

Gard, Paul D., and Ross, C. C., "Two Modified Methods of Administering Two Standardized Group Intelligence Tests," Bulletin of the Bureau of School Service, 77
Generalized Technique for Constructing Achievement Tests," "A, Ralph W. Tyler, Educational Research Bulletin, 77
Gifford, W. J., "Report of Committee on Research and Service," Association of Virginia Colleges, 76
Goldsmith, Alfred N., "Present and Impending Applications to Education of Radio and Applied Arts," Report of the Committee on Engineering Developments, 149
Gordon, Hans Cochrane, The Specific Nature of Achievement and the Predictive Value of the I.Q., Doctor's Thesis in Education, 391
Gregg, Russell T., and Hamilton, Thomas T., Jr., "Annotated Bibliography of Graduate Theses in Education at the University of Illinois," Bureau of Educational Research Bulletin, No. 55, 76

Hamilton, Thomas T., Jr., and Gregg, Russell T., "Annotated Bibliography of Graduate Theses in Education at the University of Illinois," Bureau of Educational Research Bulletin, No. 55, 76
Hammonds, Carsie, "The Distribution of Time of Teachers of Vocational Agriculture in Kentucky: Its Relation to Distribution of Aid and to Teachers Training," Bulletin of the Bureau of School Service, 317

Harris, Daniel, "The Relation to College Grades of Some Factors Other Than Intelligence," Archives of Psychology, No. 131, 317
Hayes, Mary H. S., Director, Opportunities for Vocational Training in New York City, The Vocational Service for Juniors, 317
Hendrix, S. Gertrude, "Teaching Devices on the High School Level," University of Illinois Bulletin, XXVIII, 239
Henmon, V. A. C., and Holt, F. O., "A Report on the Administration of Scholastic Aptitude Tests to 34,000 High School Seniors in Wisconsin in 1929 and 1930," Bulletin of the University of Wisconsin, 317
Hoefer, Carolyn, Kaywin, Ethel, and Others, A Comparative Study of a Nursery-School Versus a Non-Nursery School Group, University of Chicago Press, 391
Holt, F. O., and Henmon, V. A. C., "A Report on the Administration of Scholastic Aptitude Tests to 34,000 High School Seniors in Wisconsin in 1929 and 1930," Bulletin of the University of Wisconsin, 317
Horstick, Simon Motter, A Study of Sources of Revenue for Public Education in New Jersey, Doctor's Thesis in Education, 317-318
Hutson, Percival W., "Measuring the Need for Guidance in Western Pennsylvania—a Partial Survey Directed and Prepared for Publication," University of Pittsburgh School of Education Journal, VI, 240

"Improving Reading Ability in Grades V and VI by Extensive Reading," Sherman P. Scruggs, Bulletin of Education, 77

Jones, R. G., "The Special Schools and Curriculum Centers," Cleveland Board of Education, 149

Kaywin, Ethel, Hoefer, Carolyn, and Others, A Comparative Study of a Nursery-School Versus a Non-Nursery School Group, University of Chicago Press, 391
Keeler, L. W., "An Investigation of the Effect of Subject Deficiencies Upon Accomplishment of Students Entering the College of Engineering of the University of Michigan During the Academic Years, 1927-28, 1928-29, and 1929-30," Bureau of Educational Reference and Research Bulletin, No. 138, 240
Krueger, Levi McKinley, and Smith, Henry Lester, "The Psychology of Human Relationships—Individual and Social: A Source Book," Bulletin of the School of Education, Indiana University, VII, 240
Kuhn, Effie G., and Others, "The Assembly in the Teachers Colleges," Trenton Studies in Education, No. 1, 77

Langvick, Mina M., "Current Practices in the Construction of State Courses of Study," United States Department of the Interior Bulletin, No. 4, 240
Learning and Teaching of Algebra," "The, H. E. Bens, 76
Learning and Teaching of Geometry," "The, H. C. Christofferson, J. L. Clifton, and E. R. Wood, 239
Lide, Edwin S., "Constitutional Basis of Public School Education," United States Department of the Interior Leaflet, No. 40, 318
Littell, Harold, and Smith, Henry Lester, "The Philosophy of Human Relations—Individual and Collective: A Source Book," Bulletin of the School of Education, Indiana University, VII, 241

McMackin, Frank J., "Report of the Committee on Experimental Work in the Teaching of Mathematics of the Association of Mathematics Teachers of New Jersey," Report of Proceedings of the New Jersey State High School Conference, 150

Manahan, John L., Addresses Delivered at the Annual Meeting of the Association of Virginia Colleges held in the Jefferson Hotel, Richmond, Virginia, 149
Martens, Elsie H., "Biennial Survey of Education in the United States, 1928-1930," United States Department of the Interior Bulletin, No. 20, 240
"Measuring the Need for Guidance in Western Pennsylvania—A Partial Survey Directed and Prepared for Publication," Percival W. Hutson, University of Pittsburgh School of Education Journal, VI, 240
Mudge, Isadore G., University Bibliography, University Library, Columbia University, 150
Murray, George Stephen, Accounting for Depreciation of School Buildings, 318

National Education Association, "Teacher Demand and Supply," Research Bulletin of the National Education Association, IX, 391
Newmark, David, A Study of a Class in the Philadelphia Normal School, Doctor's Thesis in Education, 318

Opportunities for Vocational Training in New York City, Mary H. S. Hayes, Director, The Vocational Service for Juniors, 317
Osburn, W. J., and Foltz, P. J., "Permanence of Improvement in the Fundamentals of Arithmetic," Educational Research Bulletin, 77
Outlook for Rural Education," "The, Research Bulletin of the National Education Association, IX, 318

"Permanence of Improvement in the Fundamentals of Arithmetic," W. J. Osburn and P. J. Foltz, Educational Research Bulletin, 77
"Present and Impending Applications to Education of Radio and Applied Arts," Alfred N. Goldsmith, Report of the Committee on Engineering Developments, 149
Philosophy of Human Relations—Individual and Collective: A Source Book," "The, Henry Lester Smith, and Harold Littell, Bulletin of the School of Education, Indiana University, VII, 241
Psychology of Human Relationships—Individual and Social: A Source Book," "The, Henry Lester Smith, and Levi McKinley Krueger, Bulletin of the School of Education, Indiana University, VII, 240

Radtke, Bruno, "Some Observations on German and English Education in Elementary and Secondary Schools," Kansas Studies in Education, II, 318
Reavis, W. C., and Thomas, Earl, and Others, "A Study of the Influence of Departmental Specialization on the Professional Attitudes of High-School Teachers Toward Certain

Administrative Problems," Bulletin of the Department of Secondary-School Principals of the National Education Association, No. 37, 241
Record of Current Educational Publications, William J. Cooper, Bulletin No. 9, Washington: United States Government Printing Office, 149
Relation of Problem Solving Ability in Arithmetic to Comprehension in Reading," "The, Lorena B. Stretch, George Peabody College for Teachers, Contributions to Education, No. 87, 318
Relation to College Grades of Some Factors Other Than Intelligence," "The, Daniel Harris, Archives of Psychology, No. 131, 317
Reliability of Quarterly Marks in the Seventh Grade of Junior High School, Together with the Value of Certain Standard Tests in Predicting Them." "The, J. Carey Taylor, Johns Hopkins University Studies in Education, 391
"Report of Committee on Research and Service," W. J. Gifford, Association of Virginia Colleges, 76
"Report of the Committee on Experimental Work in the Teaching of Mathematics of the Association of Mathematics Teachers of New Jersey," Report of Proceedings of the New Jersey State High School Conference, Frank J. McMackin, 150
Report on the Administration of Scholastic Aptitude Tests to 34,000 High School Seniors in Wisconsin in 1929 and 1930," "A, V. A. C. Henmon and F. O. Holt, Bulletin of the University of Wisconsin, 317
"Report on Sangren-Woody Reading Test," Pittsburgh Schools (Board of Public Education), VI, 391
"Results of the May Testing Program in the Elementary and High Schools of Michigan, 1931," Clifford Woody, Bureau of Educational Reference and Research Bulletin, No. 140, 319
Rogers, James Frederick, "The Speech Defective School Child," United States Department of the Interior Bulletin, No. 7, 240
Ross, C. C., and Gard, Paul D., "Two Modified Methods of Administering Two Standardized Group Intelligence Tests," Bulletin of the Bureau of School Service, 77
Rudisill, Mabel, and Barr, A. S., An Annotated Bibliography on the Methodology of Scientific Research as Applied to Education, Bureau of Educational Research, University of Wisconsin, 149

Scruggs, Sherman P., "Improving Reading Ability in Grades V and VI by Extensive Reading," Bulletin of Education, 77
Sherbon, Florence Brown, and Ferris, Emily, "The Experience and Opinions of 350 Married Women Graduates of the University of Kansas: with Reference to the University Curriculum and Problems of the American Home," Kansas Studies in Education, 318
Smith, Henry Lester, and Krueger, Levi McKinley, "The Psychology of Human Relationships—Individual and Social: A Source Book," Bulletin of the School of Education, Indiana University, VII, 240
Smith, Henry Lester, and Littell, Harold, "The Philosophy of Human Relations—Individual and Collective: A Source Book," Bulletin of the School of Education, Indiana University, VII, 241
Smith, Mapheus, A Study of the Unsupervised Behavior of a Group of Institutional Children, University of Kansas, 241
"Some Observation on German and English Education in Elementary and Secondary Schools," Bruno Radtke, Kansas Studies in Education, II, 318
Special Schools and Curriculum Centers," "The, R. G. Jones, Cleveland Board of Education, 149
Specific Nature of Achievement and the Predictive Value of the I.Q., The, Hans Cochrane Gordon, Doctor's Thesis in Education, 391
Speech Defective School Child," "The, James Frederick Rogers, United States Department of the Interior Bulletin, No. 7, 240
"Status of the Junior College Instructor," John T. Wahlquist, United States Department of the Interior Pamphlet No. 20, 392
Stretch, Lorena B., "The Relation of Problem Solving Ability in Arithmetic to Comprehension in Reading," George Peabody College for Teachers, Contributions to Education, No. 87, 318
Study in Teacher Supply and Demand in Indiana," "A, I. Owen Foster, Chairman, and Others, Bulletin of the School of Education, Indiana University, VII, 239
Study of a Class in the Philadelphia Normal School, A, David Newmark, Doctor's Thesis in Education, 318
Study of Sources of Revenue for Public Education in New Jersey, A, Simon Motter Horstick, Doctor's Thesis in Education, 317-318
Study of the Influence of Departmental Specialization on the Professional Attitudes of High-School Teachers Toward Certain Administrative Problems," "A, Earl Thomas and W. C. Reavis, and Others, Bulletin of the Department of Secondary-School Principals of the National Education Association, No. 37, 241
Study of the Unsupervised Behavior of a Group of Institutional Children, A, Mapheus Smith, University of Kansas, 241

Taylor, J. Carey, "The Reliability of Quarterly Marks in the Seventh Grade of Junior High School, Together with the Value of Certain Standard Tests in Predicting Them," Johns Hopkins University Studies in Education, 391
Taylor, William D., Vocational Information, 150
"Teacher Demand and Supply," Research Bulletin of the National Education Association, IX, 391
"Teaching Devices on the High School Level." S. Gertrude Hendrix, University of Illinois Bulletin, XXVIII, 239
Thomas, Earl, Reavis, W. C., and Others, "A Study of the Influence of Departmental Specialization on the Professional Attitudes of High-School Teachers Toward Certain Administrative Problems," Bulletin of the Department of Secondary-School Principals of the National Education Association, No. 37, 241
Touton, Frank C., "Abstracts of Unpublished Masters' Theses in the Field of Secondary School Administration," Bulletin of the

Department of Secondary-School Principals of the National Education Association, 77
"Two Modified Methods of Administering Two Standardized Group Intelligence Tests," C. C. Ross and Paul D. Gard, Bulletin of the Bureau of School Service, 77
Tyler, Ralph W., "A Generalized Technique for Constructing Achievement Tests," Educational Research Bulletin, 77

University Bibliography, Isadore G. Mudge. University Library, Columbia University, 150
University of Kansas Bulletin of Education, III, 391-392

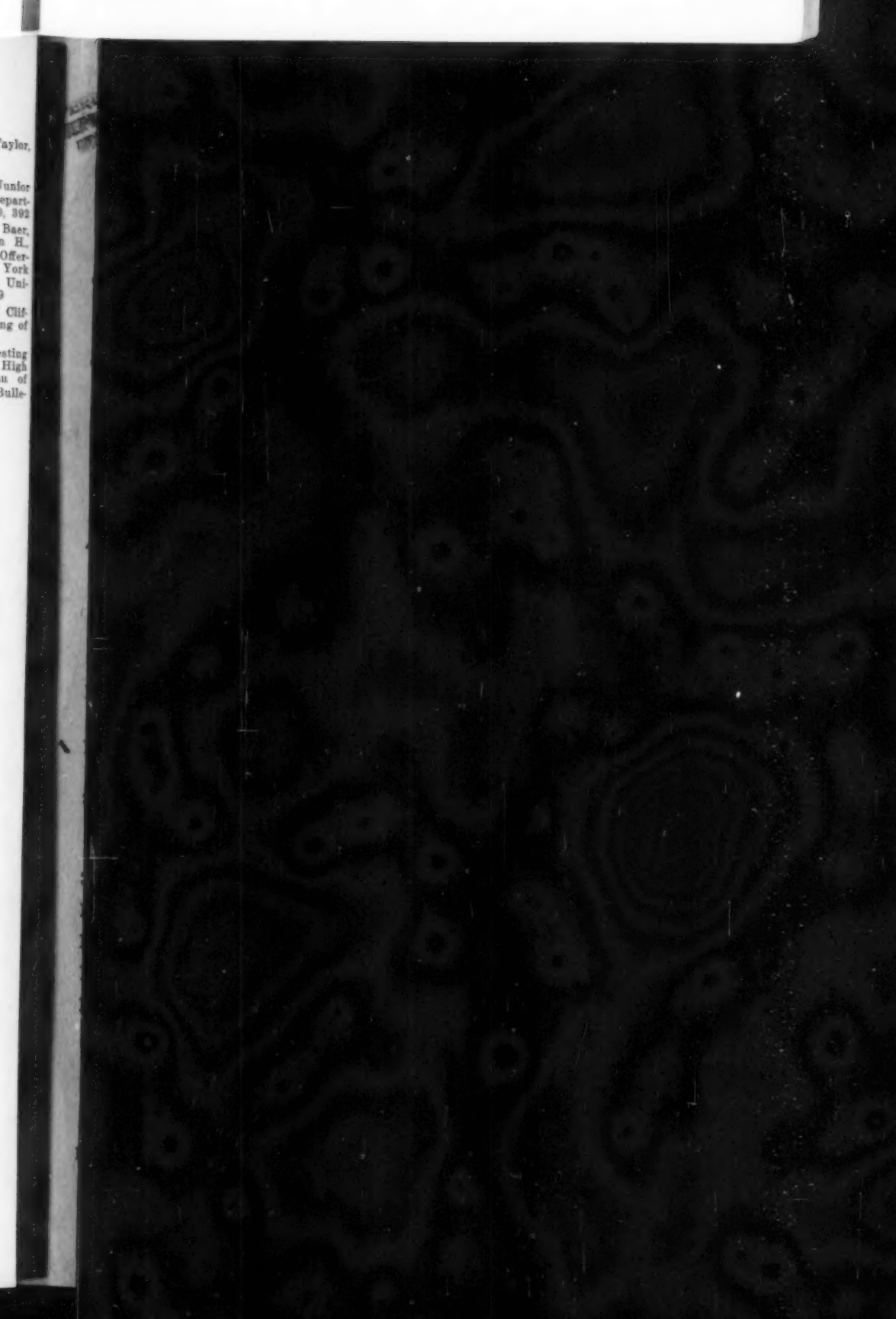
Van Cott, Harrison H., Wiley, George M., Coxe, Warren W., and Baer, Joseph A., "Courses of Study and Curriculum Offerings in Junior High Schools in New York State," State Education Department, University of the State of New York, 239

Vocational Information, William D. Taylor, 150

Wahlquist, John T., "Status of the Junior College Instructor," United States Department of the Interior Pamphlet No. 20, 392
Wiley, George M., Coxe, Warren W., Baer, Joseph A., and Van Cott, Harrison H., "Courses of Study and Curriculum Offerings in Junior High Schools in New York State," State Education Department, University of the State of New York, 239
Wood, E. R., Christofferson, H. C., and Clifton, J. L., "The Learning and Teaching of Geometry," 239
Woody, Clifford, "Results of the May Testing Program in the Elementary and High Schools of Michigan, 1931," Bureau of Educational Reference and Research Bulletin, No. 140, 319

## Experimental Studies Listed in Other Magazines

77-81-150-151-241-245-319-323-392-397

## News and Communications

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